



## HORIZONTAL STEEL BLAST CLEANING



### Horizontal Blast Cleaning Machines for Steel

The dust free blast-cleaning equipment of Blastrac-EBE is especially designed for use in shipyards and in the petrochemical industry, where its use replaces traditional open blast cleaning operations.

The working principle of all Blastrac-EBE equipment is based on the laws of kinetic and mechanical energy. The cleaning operation is performed by steel abrasive being thrown at high velocity against the surface to be cleaned.

Throwing action is achieved through centrifugal force, where a wheel with blades located radially is rotated at high speed. On to this revolving wheel, abrasive is fed in such a manner that it travels along the radial length of the blades and then is thrown off in a high velocity stream at the surface to be cleaned, efficiently blast cleaning the work surface.

After the abrasive has impacted the work surface, it rebounds back into the machine, taking the rust and old coating debris with it. Inside the machine the abrasive is separated from the dust and debris. The abrasive is returned to the abrasive storage hopper to be re-used. The debris is transported by air flow into the dust collector, where it is collected to enable it to be packaged into containers for disposal. This process is an on-going and automatic continuous operation.



### Petrochemical Industry

In the Petrochemical industry Blastrac EBE blast cleaning machines are used as a quick and efficient surface preparation method prior to painting small and large surfaces of storage tanks areas, for example, the internal bottom and the external roofs of the oil storage tanks.

Because of the environment and location of storage tanks in and around oil refining sites, the blast cleaning process must be dust free and safe.

The Blastrac –EBE 350E and Blastrac – 500E Series of horizontal blast cleaning machines are specially manufactured for the petrochemical industry. The systems are specially designed to enable each machine to be disassembled and that the parts of the machine passed through a standard 24" / 600 mm manhole access opening into areas inside tanks that are normally inaccessible to blast cleaning machines.

All the E Series of equipment are build according the strict safety devices that allows blasting clean safely storage tank areas.

### Shipping and Offshore Platform Industry

In the shipping and shipyard industry, horizontal blast cleaning machines are used to clean horizontal ship decks, hatch covers and similar horizontal surfaces. The blast cleaning process can either be carried out in the shipyard during normal maintenance programmes or at sea whilst the ship is travelling between ports. On offshore platforms, helicopter landing decks and access walkways it is possible to blast clean without disrupting the normal day to day working of the platform.

The machines fully comply with the very strict safety operating conditions that exist in the industry.

